

OPEN-FILE REPORT  
This report has not been edited for conformity with  
U.S. Geological Survey editorial standards or  
stratigraphic nomenclature.

EXPLANATION

INDEX NUMBER OF MEASURED SECTION SHOWN ON  
PLATE 3 OF CRO MAP—Coal section measured at point  
of triangle.

LINE OF COMPOSITE SECTION—Showing index number of  
section shown on plate 3 of CRO map. Composite section  
is based on nearby coal bed thickness measurements.

OIL AND GAS TEST HOLE—Showing drill-hole data, in feet.

COAL TEST HOLE—Showing index number of hole shown on  
plate 3 of CRO map, and drill-hole data, in feet.

GL—Ground elevation  
NR—No record  
C—Clinker  
R—Rock interval  
C—Coal interval  
TD—Total depth

DRILL-HOLE DATA SYMBOLS

D—D coal bed  
C—C coal bed  
Sa—Sawyer  
L—Local coal bed  
Kn—Knoblock  
FG—Flowers-Goodale  
Te—Terret  
COAL BED SYMBOLS AND NAMES

TRACE OF COAL BED OUTCROP—Dashed where approxi-  
mately located; short dashed where inferred. Showing  
thickness of coal, or coal-rock intervals, in feet, measured  
at triangle. Where a thickness fraction is shown, it indicates  
the net coal thickness (upper number) and net partings  
thickness (lower number). Letters designate the  
name of the coal bed as listed above. Arrow points toward  
coal-bearing area. Trace of coal outcrop has been modified  
from Bass (1932, pl. 3), Matson and Blumer (1973, pl. 29)  
to fit modern topographic map.

BURNED AND CLINKERED COAL BED—Showing area of  
baked and fused rock (v symbol). Dotted line indicates the  
inferred limit of burning.

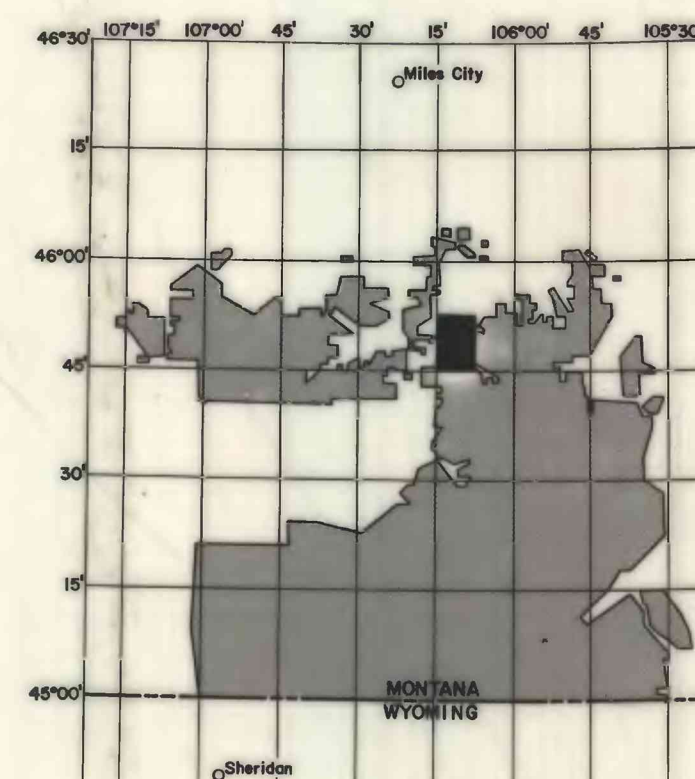
Goodale Mine 9.3 +

COAL MINE—Showing mine name and thickness of coal bed,  
in feet.

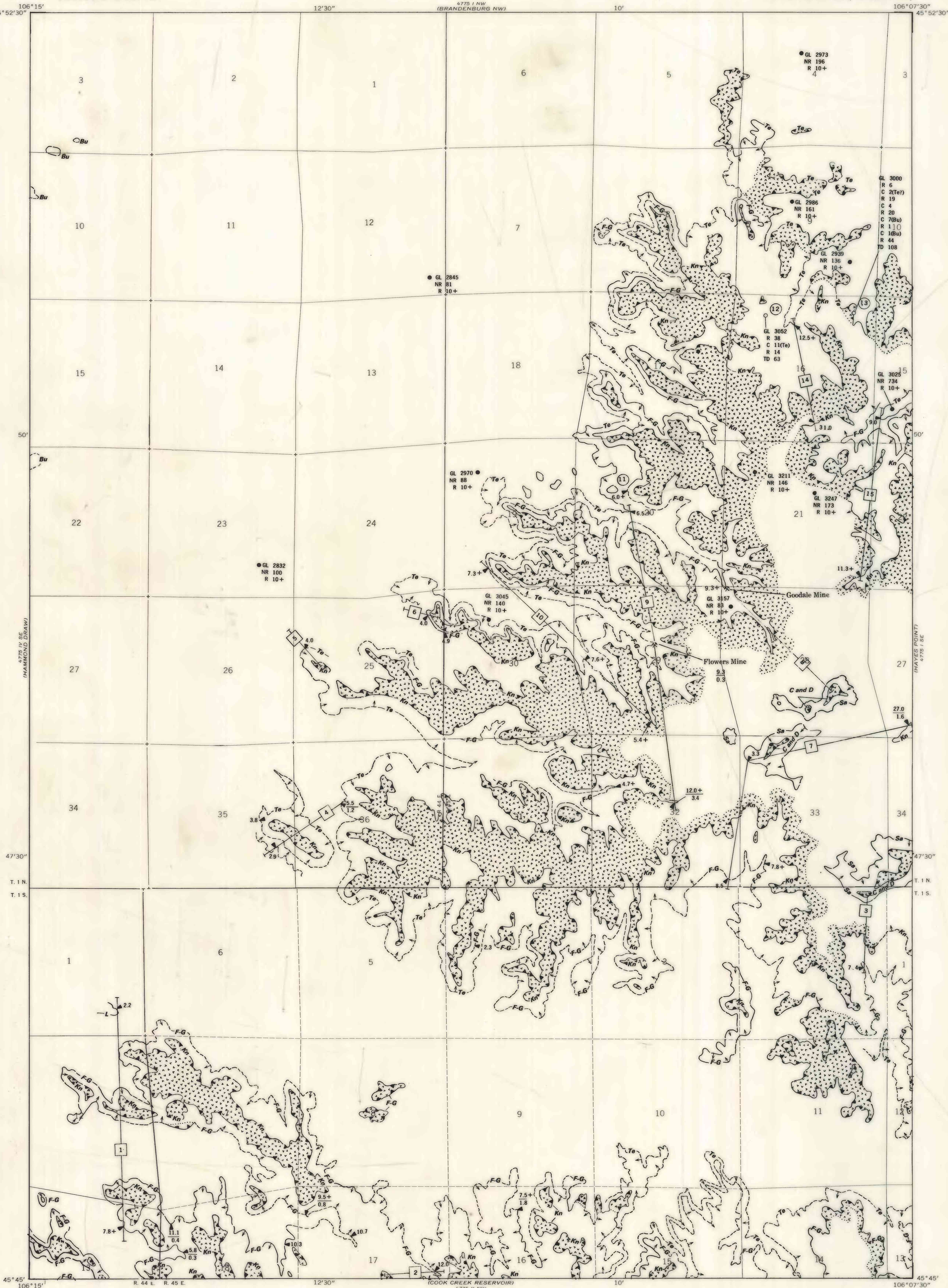
To convert feet to meters, multiply feet by 0.3048.

REFERENCES FOR NONINDEXED DATA POINTS

Bass, N. W., 1932, The Ashland coal field, Rosebud, Powder  
River, and Custer Counties, Montana: U.S. Geol. Survey  
Bull. 831-B, p. 19-105.  
Matson, R. E., and Blumer, J. W., 1973, Quality and reserves of  
strippable coal, selected deposits, southeastern Montana:  
Mont. Bur. Mines and Geol. Bull. 91, 139 p.

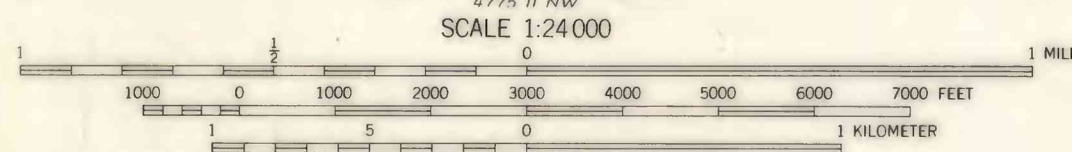
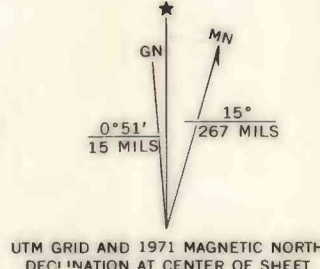


INDEX MAP—Showing location of the Brandenburg  
quadrangle and the Northern Powder River Basin Known  
Recoverable Coal Resource Area (stippled), Montana



Base map from U.S. Geological Survey, 1971

Compiled in 1977



COAL RESOURCE OCCURRENCE MAP OF THE BRANDENBERG QUADRANGLE,  
CUSTER, ROSEBUD, AND POWDER RIVER COUNTIES, MONTANA  
BY  
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE  
1979